Practice Exam Ch. 3 Math N-48	Name:
Translate each into an algebraic expression.	
1) Eight more than a number	
2) Double a number subtract 5	
3) Three less than one fourth a number	
4) Twice a number increased by four	
5) The sum of a number and eight decreased by three	ee
Solve the word problems:	
6) Four less than 9 times a number is 122. Find the number.	
7) Fred and Wilma have a combined annual income much did each of them earn for the year?	e of \$55,000. If Wilma earns 3000 more than Fred, how
8) Porky Pig has a collection of dimes and quarters total in the piggy bank is \$3.80, how many of each	in his piggy bank. He has 3 more dimes than quarters. If the coin does he have?

9) A rectangle has a width that is 4 feet less than the length. If the perimeter is 52 feet, find the dimensions.

marbles than red. How many marbles of each color are there?

10) A bucket of 68 marbles contains 3 colors. There are twice as many blue marbles as red and four more green

Answers:

1) x + 8

2) 2x - 5 3) 1/4x - 3 4) 2x + 4 5) x + 8 - 3

6) The number is 14

7) Fred earns \$26,0000 and Wilma \$29,000

8) 10 Quarters and 13 dimes

9) Length is 15 feet, width is 11 feet.

10) 32 blue, 16 red, and 20 green